FACT–FILE

Private-College Openings, Closings, and Mergers, 1970-79

Closings

	Type	Men's, women's, coed	Affiliation
Alaska			
Alaska Methodist U.(now open)	4-year	Coed	United Meth.
Alabama			
Daniel Payne C.	4-year	Coed	African Meth. Episcopal
Southern Benedictine C.	4-year	Coed	Rom. Catholic
Arizona			
C. Del Ray	4-year	Coed	Independent
Prescott C.	4-year	Coed	Independent
California			
Ambassador C.	4-year	Coed	Wld. Ch. God
California Concordia C.	2-year	Coed	Lutheran
Lone Mountain C.	4-year	Coed	Rom. Catholic
Miller Comm. C.	2-year	Coed	Independent
Santa Barbara Art Inst.	Special	Coed	Independent
Tahoe C.	4-year	Coed	Independent
U. Without Walls-Berkeley	4-year	Coed	Independent
Windsor U.	4-year	Coed	Independent
Connecticut			
C. of Notre Dame of Wilton	4-year	Women	Rom. Catholic
Longview C.	2-year	Coed	Rom. Catholic
Silvermine C. of Art	Special	Coed	Independent
District of Columbia			
Dunbarton C. of Holy Cross	4-year	Women	Rom. Catholic
Immaculata C.	2-year	Women	Rom. Catholic
St. Joseph's Seminary (coll. div.)	Special	Men	Rom. Catholic
St. Paul's C.	Special	Men	Rom. Catholic
Webster Jr. C.	2-year	Coed	Independent
Florida			
C. of Orlando	2-year	Coed	Independent
St. Joseph C. of Florida	2-year	Coed	Rom. Catholic
Georgia			
Norman C.	2-year	Coed	Baptist
Illinois			
Chicago Acad. of Fine Arts	4-year	Coed	Independent
Chicago Technical C.	4-year	Coed	Independent
Maryknoll C.	Special	Coed	Rom. Catholic
Monticello C.	2-year	Women	Independent
St. Dominic C.	4-year	Coed	Rom. Catholic
Tolentine C.	Special	Coed	Rom. Catholic
Winston Churchill C.	2-year	Coed	Independent
Indiana			
Concordia Sr. C.	4-year	Coed	Lutheran
Iowa			
Midwestern C.	4-year	Coed	Independent
Parsons C.	4-year	Coed	Independent
Kansas			
C. of Emporia	4-year	Coed	U. S. Presby.
Kentucky			
St. Mary's C. Seminary	Special	Men	Rom. Catholic
Maine			
Bliss C.	2-year	Coed	Independent
Northern Cons. of Music	Special	Coed	Independent
Ricker C.	4-year	Coed	Independent
Maryland			
Bay C. of Maryland	2-year	Coed	Independent
Mount Providence Jr. C.	2-year	Women	Rom. Catholic
Ocean City C.	2-year	Coed	Independent
St. Joseph C.	4-year	Women	Rom. Catholic
Xaverian C.	Special	Men	Rom. Catholic
Massachusetts			
Bryant-McIntosh Jr. C.	2-year	Coed	Independent
Cambridge Jr. C.	2-year	Coed	Independent
Cardinal Cushing C.	4-year	Women	Rom. Catholic
Garland Jr. C.	2-year	Women	Independent
Grahm Jr. C.	2-year	Coed	Independent
Mount Alvernia C.	Special	Women	Rom. Catholic
Northampton Jr. C.	2-year	Coed	Independent
Oblate C. and Seminary	Special	Coed	Rom. Catholic
Regina Coeli C.	Special	Women	Rom. Catholic
St. Stephen's C.	Special	Men	Rom. Catholic
Stevens C.	2-year	Coed	Independent
Michigan			
De Lima Jr. C.	2-year	Coed	Rom. Catholic
Mackinac C.	4-year	Coed	Independent
Minnesota			
Corbett C.	2-year	Coed	Rom. Catholic
Lea C.	4-year	Coed	Independent
Mississippi			
Gulf Park Jr. C.	2-year	Women	Independent
Saints C.	2-year	Coed	Church of God in Christ
Missouri			
Marillac C.	Special	Women	Rom. Catholic
Notre Dame C.	4-year	Coed	Rom. Catholic
Nebraska			
Hiram Scott C.	4-year	Coed	Independent
John F. Kennedy C.	4-year	Coed	Independent
John J. Pershing C.	4-year	Coed	Independent
New Hampshire			
Belknap C.	4-year	Coed	Independent
Canaan C.	4-year	Coed	Independent
Franconia C.	4-year	Coed	Independent
Mount St. Mary C.	4-year	Women	Rom. Catholic
St. Anthony C.	Special	Men	Rom. Catholic
New Jersey			
Alma White C.	4-year	Coed	Protestant
Alphonsus C.	2-year	Coed	Independent
Englewood Cliffs C.	2-year	Coed	Rom. Catholic
Luther C.	2-year	Coed	Independent
Mount St. Mary C.	2-year	Women	Rom. Catholic
St. Joseph's C.	Special	Men	Rom. Catholic
New Jersey—Continued			
Salesian C.	2-year	Women	Rom. Catholic
Shelton C.	4-year	Coed	Other
Tombrock C.	2-year	Women	Rom. Catholic
Walsh C.	2-year	Women	Independent
New Mexico			
C. of Artesia	4-year	Coed	Independent
New York			
Bennett C.	2-year	Coed	Independent
Brentwood C.	Special	Women	Rom. Catholic
Briarcliff C.	4-year	Women	Independent
Finch C.	4-year	Women	Independent
Immaculate Conception Sem.	Special	Men	Rom. Catholic
LaSalette Seminary	Special	Men	Rom. Catholic
Mills C. of Education	Special	Women	Independent
Our Lady of Hope Mission Sem.	Special	Men	Rom. Catholic
Packer Collegiate Inst.	2-year	Women	Independent
Passionist Monastic Seminary	Special	Men	Rom. Catholic
Rogers C.	Special	Coed	Rom. Catholic
St. Clare C.	2-year	Women	Rom. Catholic
St. John Vianney Seminary	Special	Men	Rom. Catholic
Verrazzano C.	4-year	Coed	Independent
Woodstock C.	Special	Men	Rom. Catholic
North Carolina			
Kernersville Wesleyan C.	2-year	Coed	Protestant
Kittrell C.	2-year	Coed	African Meth. Episcopal
Southwood C.	2-year	Coed	Independent
North Dakota			
Assumption C.	2-year	Coed	Rom. Catholic
Ohio			
C. of the Dayton Art Inst.	4-year	Coed	Independent
Mary Manse C.	4-year	Coed	Rom. Catholic
St. John C. of Cleveland	4-year	Coed	Rom. Catholic
Oklahoma			
American Christian C.	4-year	Coed	Protestant
Oregon			
Mount Angel C.	4-year	Coed	Independent
Pennsylvania			
Cushing Jr. C.	2-year	Coed	Am. Baptist
Penn Hall Jr. C.	2-year	Coed	Independent
Sacred Heart Jr. C.	Special	Women	Rom. Catholic
St. Fidelis C.	4-year	Men	Rom. Catholic
St. Francis Sem.	Special	Men	Rom. Catholic
Rhode Island			
Catholic Teachers C.	4-year	Women	Rom. Catholic
Mount St. Joseph C.	Special	Women	Rom. Catholic
Sem. of Our Lady of Providence	Special	Men	Rom. Catholic
Tennessee			
Siena C.	4-year	Coed	Rom. Catholic
Texas			
Allen Academy	2-year	Coed	Independent
Dominican C.	4-year	Women	Rom. Catholic
U. of Corpus Christi	4-year	Coed	Baptist
U. of Plano	4-year	Coed	Independent
Vermont			
Windham C.	4-year	Coed	Independent
Virginia			
Fr. Judge Mission Seminary	Special	Men	Rom. Catholic
Luther Rice C.	2-year	Coed	Baptist
Stratford C.	4-year	Women	Independent
Sullins C.	2-year	Coed	Independent
Washington			
Prometheus C.	4-year	Coed	Independent
Sulpician Sem. of the Northwest	4-year	Coed	Rom. Catholic
West Virginia			
Greenbriar C.	2-year	Coed	Independent
Wisconsin			
C. of Racine	4-year	Coed	Independent
Layton Sch. of Art and Design	4-year	Coed	Independent
Mount St. Paul C.	4-year	Coed	Independent
St. Columban's C. and Seminary	Special	Men	Rom. Catholic
St. Lawrence Seminary	Special	Men	Rom. Catholic

Openings

	Type	Men's, women's, coed	Affiliation
Alaska			
Inupiat U. of the Arctic	4-year	Coed	Independent
Arizona			
C. Del Ray (now closed)	4-year	Coed	Independent
C. of Ganado	2-year	Coed	Independent
Prescott Center C.	4-year	Coed	Independent
California			
American Acad. of Dramatic Arts-West	2-year	Coed	Independent
Christ C. Irvine	4-year	Coed	Lutheran
Christian Heritage C.	4-year	Coed	Independent
Colegio De La Tierra	2-year	Coed	Independent
C. of Osteopathic Medicine of the Pacific	Special	Coed	Independent
D-Q U.	2-year	Coed	Independent
Fielding Inst.	Special	Coed	Independent
International C.	4-year	Coed	Independent
Maharishi Intl. U. (now in Iowa)	4-year	Coed	Independent
Melodyland Sch. of Theology	Special	Coed	Christian Ch.
National U.	4-year	Coed	Independent
New C. of California	4-year	Coed	Independent
Nyingma Inst.	Special	Coed	Independent
Pasadena C. of Chiropractic	Special	Coed	Independent
California—Continued			
Rand Graduate Inst. for Policy Studies	Special	Coed	Independent
Rosemead Graduate Sch. of Psychology (merged with Biola C.)	Special	Coed	Independent
Santa Barbara Art Inst. (now closed)	Special	Coed	Independent
So. Calif. Inst. of Arch.	Special	Coed	Independent
Thomas Aquinas C.	4-year	Coed	Rom. Catholic
U. Without Walls-Berkeley (now closed)	4-year	Coed	Independent
Windsor U. (now closed)	4-year	Coed	Independent
World C. West	4-year	Coed	Independent
District of Columbia			
Antioch Sch. of Law	Special	Coed	Independent
Campus Free C.	4-year	Coed	Independent
Washington International C.	4-year	Coed	Independent
Florida			
Head U.	4-year	Coed	Independent
Talmudic C. of Florida	Special	Men	Independent
U. of Sarasota	4-year	Coed	Independent
Georgia			
Emmanuel C. Sch. of Christian Ministries	Special	Coed	Pentecostal Holiness
Life Chiropractic C.	Special	Coed	Independent
Illinois			
Brisk Rabbinical C.	Special	Men	Independent
Daniel Hale Williams U.	4-year	Coed	Independent
Morrison Inst. of Technology	2-year	Coed	Independent
Nat. American Ed. Services	4-year	Coed	Independent
Massachusetts			
Cntl. New England C. of Tech.	4-year	Coed	Independent
Laboure Jr. C.	2-year	Coed	Rom. Catholic
Montserrat Sch. of Visual Art	Special	Coed	Independent
Wentworth C. of Technology (merged with Wentworth Inst.)	4-year	Coed	Independent
Michigan			
Lewis Business C.	2-year	Coed	Independent
Thomas M. Cooley Law Sch.	Special	Coed	Independent
Minnesota			
Mayo Medical Sch.	Special	Coed	Independent
Midwestern Sch. of Law (merged with Hamline U.)	Special	Coed	United Meth.
Mississippi			
Wesley C. (originally Westminster C.)	4-year	Coed	Cong. Meth.
Missouri			
Assem. of God Graduate Sch.	Special	Coed	Assem. God
Cardinal Newman C.	4-year	Coed	Rom. Catholic
Christ Seminary–Seminex (originally Concordia Sem. in Exile)	Special	Coed	Independent
New Hampshire			
Franklin Pierce Law Ctr.	Special	Coed	Independent
New York			
Bais Yaakov Seminary	Special	Women	Independent
Boricua C.	2-year	Coed	Independent
Christ the King Seminary	Special	Coed	Rom. Catholic
Hadar Hatorah Rabbinical Sem.	Special	Coed	Independent
Rabbinical Sem. Bath Yitzchok D'Spinka	Special	Men	Independent
Turo C.	4-year	Coed	Independent
Verrazano C. (now closed)	4-year	Coed	Independent
North Carolina			
Hamilton C. (originally Biscayne Southern C.)	2-year	Coed	Independent
Ohio			
Chatfield C.	2-year	Coed	Independent
Oklahoma			
Am. Christian C. (now closed)	4-year	Coed	Protestant
South Carolina			
Sherman C. of Chiropractic	Special	Coed	Independent
South Dakota			
Sinte Gleska	4-year	Coed	Independent
Texas			
American Technological U.	4-year	Coed	Independent
Vermont			
Vt. Inst. of Comm. Involvement	4-year	Coed	Independent
Vermont Law Sch.	Special	Coed	Independent
Virginia			
CBN U.	Special	Coed	Independent
Liberty Baptist C. (originally Lynchburg Baptist C.)	4-year	Coed	Protestant
Washington			
City C.	4-year	Coed	Independent
Prometheus C. (now closed)	4-year	Coed	Independent
West Virginia			
Greenbriar C. of Osteo. Med. (now public)	Special	Coed	Independent
Wisconsin			
Milwaukee Sch. of the Arts	Special	Coed	Independent
Puerto Rico			
Colegio Universitario del Turabo	4-year	Coed	Independent
Universidad Politecnica de Puerto Rico	4-year	Coed	Independent

Continued on Following Page

141 Private Colleges Failed to Survive the 1970's

WASHINGTON

In the first half of the 1970's, 69 new private colleges opened; in the last half, only 7.

Private institutions that closed during the decade outnumbered the new campuses by nearly two to one, according to the National Institute of Independent Colleges and Universities.

Among the 141 institutions, including branch campuses, that closed during the 1970's were 57 four-year colleges, 45 two-year colleges, and 39 specialized institutions.

Most Had Under 500 Students

Typically, the colleges that closed were small, church-related, and coeducational: 87 per cent had fewer than 500 students, 55 per cent were church-related, and 62 per cent were coeducational. Of the 78 church-related institutions that closed, 34 were seminaries or other special-purpose religious schools.

The private colleges that opened during the 1970's included 34 four-year, 10 two-year, and 32 specialized institutions.

Of the new institutions, 83 per cent had fewer than 500 students, 16 per cent were church-related, and 95 per cent were coeducational. The four new single-sex institutions were seminaries.

The N.I.I.C.U. survey found that 47 private institutions had merged with other institutions, public or private, during the decade. Two-thirds of the institutions that merged were church-related and 64 per cent had fewer than 500 students.

Twenty-five four-year colleges were among the merging institutions. They tended to merge with other four-year colleges of similar size to form a single college or university, the N.I.I.C.U. said. Most of the 9 two-year colleges that merged joined with four-year colleges that had larger enrollments.

A majority of the 13 merging specialized institutions were centers for religious studies that merged with other seminaries or divinity schools.

In addition to the closings and mergers, 19 institutions shifted from private to public control. They included 9 two-year, 6 four-year, and 4 specialized institutions, according to the N.I.I.C.U.

A total of 358 private institutions and branch campuses became accredited or candidates for accreditation by nationally recognized accrediting agencies in the 1970's, the N.I.I.C.U. said. They included 168 four-year institutions, 75 two-year institutions, and 115 specialized institutions.

Copies of the report, *Openings, Closings, Mergers and Accreditaton Status of Independent Colleges and Universities, Winter 1970 through Summer 1979*, by Virginia Ann Fadil, N.I.I.C.U.'s executive director, and Nancy A. Carter, research associate, are available for $4 from the Office of Research, N.I.I.C.U., 1717 Massachusetts Ave., N.W., Suite 503, Washington 20036.

—JACK MAGARRELL

FACT-FILE—Continued

Private-College Openings, Closings, and Mergers

Shifts to Public Control

	Type	Men's, women's, coed	Affiliation
Alabama			
Athens C. (Athens State C.)	4-year	Coed	United Meth.
Arizona			
Navajo C. C.	2-year	Coed	Independent
Florida			
New College (U. of South Florida)	4-year	Coed	Independent
Georgia			
Gordon Military C. (Gordon Jr. C.)	2-year	Coed	Independent
Indiana			
Fort Wayne Art Inst. (Purdue U.-Indiana U. at Ft. Wayne)	4-year	Coed	Independent
Iowa			
Ottumwa Heights C. (Indian Hills C. C.)	2-year	Coed	Rom. Catholic
Palmer Jr. C. (Area IX C. C.)	2-year	Coed	Independent
Maryland			
U. of Baltimore	4-year	Coed	Independent
Michigan			
Michigan C. of Osteopathic Med. (Michigan State U.)	Special	Coed	Independent
New York			
Voorhees Technical Inst. (New York City C. C.)	2-year	Coed	Independent
North Carolina			
Mitchell C.	2-year	Coed	Independent
Ohio			
Salmon P. Chase C. of Law (Northern Kentucky State C.)	Special	Coed	Independent
Western C. (Miami U.)	4-year	Coed	Independent
South Carolina			
C. of Charleston	4-year	Coed	Independent
Palmer C. (Trident Technical C.)	2-year	Coed	Independent
Texas			
South Texas Jr. C. (U. of Houston)	2-year	Coed	Independent
Texas C. of Osteopathic Med.	Special	Coed	Independent
West Virginia			
W. Va. Sch. of Osteopathic Med.	Special	Coed	Independent

Mergers

	Type	Men's, women's, coed	Affiliation
Alabama			
Cullman C. (So. Benedictine C.)	2-year	Coed	Rom. Catholic
St. Bernard C. (So. Benedictine C.)	4-year	Coed	Rom. Catholic
California			
Loyola U. of Los Angeles (Loyola Marymount U.)	4-year	Men	Rom. Catholic
Marymount C. (Loyola Marymount U.)	4-year	Coord.	Rom. Catholic
Rosemead Graduate Sch. of Psychology (Biola C.)	Special	Coed	Independent
Russell C. (U. of San Francisco)	4-year	Women	Rom. Catholic
San Diego C. for Women (U. San Diego Coord. C's)	4-year	Coed	Independent
U. of San Diego C. for Men (U. San Diego Coord. C's)	4-year	Coord.	Rom. Catholic
U. of San Diego Coord. C's (U. of San Diego)	4-year	Coord.	Rom. Catholic
U. of San Diego Sch. of Law (U. of San Diego)	Special	Coed	Rom. Catholic
Connecticut			
Berkeley Divinity Sch. (Yale U.)	Special	Coed	Prot. Epis.
Delaware			
Brandywine C. (Brandywine C. of Windener U.)	2-year	Coed	Independent
Georgia			
Atlanta Baptist C. (Mercer U. in Atlanta)	4-year	Coed	So. Baptist
Hawaii			
Church C. of Hawaii (Brigham Young U.–Hawaii)	4-year	Coed	L-D Saints
Mauna Olu C. of Maui (U. S. International U. of San Diego)	4-year	Coed	Independent
Illinois			
Evangelical Theological Sem. (Garrett-Evangelical Theol. Sem.)	Special	Coed	United Meth.
Garrett Biblical Inst. (Garrett-Evangelical Theol. Sem.)	Special	Coed	United Meth.
Pestalozzi Froebel Teachers C. (Nat'l C. of Ed.–Urban Campus)	Special	Coed	Independent
Indiana			
Concordia Sr. C. (Concordia Theological Seminary)	4-year	Coed	Independent
Kansas			
Miltonvale Wesleyan C. (Bartlesville Wesleyan C.)	2-year	Coed	Wesleyan
Mount St. Scholastica C. (Benedictine C.)	4-year	Women	Rom. Catholic
St. Benedict's C. (Benedictine C.)	4-year	Men	Rom. Catholic
Maryland			
Baltimore Commerce (U. of Bal. -)	4-year	Coed	Independent
Eastern C. (U. of Baltimo	4-year	Coed	Independent
Mount St. (Loyola -	4-year	Women	Rom. Catholic
Massachusetts			
Episcopal Theological Sch. (Episcopal Divinity Sch.)	Special	Coed	Prot. Epis.
Leicester Jr. C. (Becker Jr. C.-Leicester)	2-year	Coed	Independent
Newton C. (Boston C.)	4-year	Women	Rom. Catholic
Perry Normal Sch. (Curry C.)	4-year	Coed	Independent
Wentworth C. of Technology (Wentworth Inst. of Technology)	4-year	Coed	Independent
Wentworth Inst. (Wentworth Inst. of Technology)	2-year	Coed	Independent
Minnesota			
Midwestern Sch. of Law (Hamline U.)	Special	Coed	Independent
Missouri			
Mercy Jr. C. (Maryville C.-St. Louis)	2-year	Women	Rom. Catholic
New York			
C. of White Plains (Pace U.)	4-year	Coed	Independent
Eisenhower C. (Eisenhower C. of Rochester Inst. of Technology)	4-year	Coed	Independent
Inst. for Adv. Studies in the Humanities (Jewish Theol. Sem. of Amer.)	Special	Coed	Independent
Kirkland C. (Hamilton C.)	4-year	Women	Independent
Notre Dame C. of Staten Island (St. John's U.)	4-year	Coed	Rom. Catholic
Ohio			
Evangelical Lutheran Theo. Sem. (Trinity Lutheran Sem.)	Special	Coed	Am. Lutheran
Hamma Sch. of Theology (Trinity Lutheran Sem.)	Special	Coed	Lutheran Ch. in America
Pennsylvania			
Crozer Theological Sem. (Colgate-Rochester Divinity Sch.)	Special	Coed	Baptist
Divinity Sch. of the Prot. Episcopal Church (Episcopal Divinity Sch., Mass.)	Special	Coed	Prot. Epis.
Tennessee			
George Peabody C. for Teachers (George Peabody C. for Teachers of Vanderbilt U.)	4-year	Coed	Independent
Texas			
Christian C. of the Southwest (Abilene Christian C.)	2-year	Coed	Ch. of Christ
Fort Worth Christian C. (Abilene Christian C.)	2-year	Coed	Ch. of Christ
Vermont			
Vermont C. (Norwich U.)	4-year	Coed	Independent

SOURCE: NATIONAL INSTITUTE OF INDEPENDENT COLLEGES AND UNIVERSITIES

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News Summary

Articles on inside pages

A dispute over the proper handling of athletes' academic records has split the American Council on Education. Story on Page 6.

Recruiting abuses in college athletics have prompted author John F. Rooney, Jr., to propose professionalizing top revenue-producing teams. Story on Page 17.

The work of historians is not providing a coherent view of the past, says the incoming president of the American Historical Association. Story on Page 3.

A bill to reorganize Florida's higher-education system is causing heated controversy. Story on Page 4.

Philanthropic giving may increase 10 per cent annually in the 1980's, projections indicate. Story and a chart indexing giving from 1920 to 1990 on Page 4.

Increasing access to higher education for underserved groups is one goal of the Democratic Party's proposed platform. Story and excerpts on Page 10.

House and Senate conferees have agreed to cut $140-million from the Basic Educational Opportunity Grant program. Story on Page 9.

Congress is considering ways to expand veterans' education benefits as a recruiting tool for the all-volunteer armed forces. Story on Page 9.

Even before President Carter signed a bill restoring draft registration for young men, a civil-liberties group had sued, charging the bill was unconstitutional. Story on Page 12.

Faculty women have made little progress in Canadian universities in the last 20 years, a study has found. Story on Page 15.

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Scientists Caution Congress Against Rescinding Funds

They say physicists will be laid off, basic research set back if cuts take effect

By Anne C. Roark

Researchers representing major high-energy physics laboratories are afraid that hundreds of highly skilled workers may have to be laid off and research sharply curtailed as a result of Congressional budget cutting.

Scientific leaders meeting at the Fermi National Accelerator Laboratory, known as "Fermilab," in Batavia, Ill., warned that rescinding millions of dollars' worth of appropriations for federally supported science programs could seriously damage basic research.

In June, the House of Representatives complied with a White House request that $21-million in support for such research be cut from the fiscal 1980 budget for the Department of Energy. The House also approved an additional $10-million cut, bringing the total amount rescinded to $31-million. Shortly thereafter, the Senate agreed to reduce spending for energy research by approximately $24-million.

House-Senate negotiators last week agreed on final details on the 1980 budget. (See story on Page 9.)

200 Could Lose Jobs

As a result of the proposed reductions, however, federal energy officials were estimating that as many as 10 per cent of the employees at the Lawrence-Livermore Laboratory of the University of California at Berkeley might be laid off. An additional 80 faculty members and 120 postdoctoral and graduate students at other universities could lose their jobs, officials warned.

The impact of the cuts, said Leon Lederman, director of Fermilab, will be to allow American science to lag behind that of Europe and the Soviet Union.

The situation is particularly troublesome for high-energy physics, he said, because of the costs of running huge nuclear accelerators. Popularly known as "atom smashers," the machines are used to explore the basic physical forces of nature.

High-energy physics is not the only area of science that is threatened by reductions in federal spending.

At the behest of the Carter Administration, the Senate voted to rescind $8.5-million of the National Science Foundation's budget for the current fiscal year.

Some Cuts Expected

Although the House initially refused to rescind the money, $4.5-million was expected to be cut from N.S.F.'s $990.5-million budget.

For fiscal 1981, the Senate has passed legislation authorizing about $1.074-billion for the science foundation, the amount requested by the Administration in the revised, "anti-inflation" budget it submitted to Congress several weeks ago. The Senate altered the amounts it authorized for specific programs, however, to allow funds for a new $23-million program to encourage women to pursue careers in science.

The House Committee on Science and Technology has approved a bill that would authorize N.S.F. to spend up to $1.126-billion in fiscal 1981.

In other action, the House Committee on Appropriations voted to maintain current spending of $5-million for coal research at 13 universities, under an appropriations bill for the Interior Department.

The measure, which endorses the President's budget request, would delay, perhaps indefinitely, the establishment of coal-research laboratories at several universities. They were authorized by the Surface Mining Control and Reclamation Act of 1977. Cuts were expected in the Administration's plan to boost solar-energy production over the next 20 years.

Last year, President Carter committed the United States to the objective of obtaining 20 per cent of its energy from the sun by the year 2000.

Documents obtained from the Department of Energy now indicate that officials think such a program is far more costly than the country can afford in its present mood of fiscal conservatism.

In the meantime, however, the President signed a long-awaited bill to encourage the development and production of synthetic fuels through loans, loan guarantees, and direct subsidies.

The measure includes $5-billion for research programs, including $1.5-billion to study ways to convert farm, forest, and urban waste into usable energy.

Vocational Education Found No Sure Way to Better Jobs

By Beverly T. Watkins

LOS ANGELES

Vocational education does not provide equal opportunity in the labor market for economically disadvantaged students. In many cases, the training makes no difference in the kinds of jobs students get, according to a new study by the University of California at Los Angeles.

According to Wellford W. Wilms, the study's director, students from low-income and minority groups are the most likely to drop out of vocational education, although a major purpose of the training programs is to help disadvantaged students break out of the poverty cycle by providing them with marketable skills. Few students who completed the upper-level programs included in the study—accounting, computer programming, and training as electronics technicians—got jobs as a result of their vocational education. Most graduates and dropouts got the same kinds of jobs in other fields, says Mr. Wilms, who is assistant professor of education at the university.

Students who completed the lower-level programs covered by the study—training to become secretaries, dental assistants, and cosmetologists—were more successful in finding jobs in those fields and more

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Planning Begins for Nationwide Open University

By Jack Magarrell

The trustees of the University of Mid-America, a regional consortium with headquarters in Lincoln, Neb., have approved the idea of a nationwide "open university" and authorized full-scale planning and a search for financial support.

The proposed institution—the outlines of which were sketched in a feasibility study by the staff of the University of Mid-America—would seek to serve employed adults who need part-time, off-campus instruction and are served inadequately or not at all by existing colleges and universities.

The study says many officials in higher education think the institution would generate additional students for conventional colleges and universities.

The cost of planning the open university is estimated at $500,000 to $800,000.

"The initial implementation period would cost millions of dollars," the feasibility study says, "and the annual costs when fully operational would certainly be counted in tens of millions."

As outlined in the report, the open university would be a not-for-profit corporation, governed by trustees representing business, labor, broadcasting, and private philanthropy, as well as higher education.

Its staff would include a nationwide network of counselors, a central staff of program-development specialists, a technical staff, and a faculty that would be involved

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